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UNIVERSAL DOCUMENTATION SYSTEM

STS OPS FLIGHT PRD VOLUME II, PAYLOADS

PRD/PSP/OR/OD
GSFC AS REQUESTER
DATABASE PULL 08052004

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PROGRAM REQUIREMENTS DOCUMENT/PROGRAM SUPPORT PLAN/
OPERATIONS REQUIREMENT/OPERATIONS DIRECTIVE (PRD/PSP/OR/OD)
PROGRAM NUMBER: 20000

SECTION 1031 - INDEX

PUBLICATION DATE: 08/10/92 REVISION: 0000 RUN DATE: 08/05/04

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SECTION 2000 - TEST REQUIREMENTS/SUPPORT PLANS

PUBLICATION DATE: 08/10/92 REVISION: 0000 RUN DATE: 08/05/04

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[PRD] DATABASE RECORD:      12139      REQUIREMENT STATUS: APPROVED R
DOCUMENT ID:                FLT-II      APPROVAL DATE:      08/17/98
                                     INITIAL DATE:      06/26/89
ITEM NUMBER:                G17T      DATE LAST CHANGED:  03/12/03
SECTION:                    2000      TIME LAST CHANGED:  11:09:38

REQUESTER:                  GSFC
SUBREQUESTER:               GSFC/502
TEST CODE:                  A26-35      ALPHSE      STSALL
TRACKING NO.                P803-1
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1. DESCRIPTION: ANCILLARY DATA TRANSMISSION TO GSFC SPIF

JSC is required to transmit the Customer Ancillary System (CAS) data to the GSFC Shuttle Payloads Center (POCC) Interface Facility (SPIF for the duration of every unclassified SS Mission, long duration simulations, and Joint Integration Simulations (JIS). User's will coordinate CAS data requirements with GSFC and provide for circuits to the SPIF.

GSFC COORDINATION: GSFC 451/Ted Sobchak/301 285-7813
GSFC 451/HTSI/Anthony Williams/301 286-4286
GSFC 428.2/HTSI/Mike Booth/ 301 286-7413
JSC COORDINATION: JSC/DEF/281 483-2411

SUPPLIER: JSC AGENCY: JSC/DV (JOHNSON SPACE CENTER)

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 08/17/98

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[PRD] DATABASE RECORD:      22743      REQUIREMENT STATUS: APPROVED
DOCUMENT ID:                FLT-II      APPROVAL DATE:      07/31/90
                                     INITIAL DATE:      07/31/90
ITEM NUMBER:                G18T      DATE LAST CHANGED:  03/12/03
SECTION:                    2000      TIME LAST CHANGED:  11:07:55

REQUESTER:                  GSFC
SUBREQUESTER:               GSFC/502
TEST CODE:                  ALPHSE      STSALL
TRACKING NO.                P007-1
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1. DESCRIPTION: STATUS DATA TRANSMISSION TO GSFC SPIF

JSC is required to transmit MCC Shuttle Status Data to the GSFC Shuttle Payloads Interface Facility (SPIF) for the duration of every

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[PRD] DATABASE RECORD: 22743
ITEM NUMBER: G18T

unclassified SSP Mission, long duration simulations, and Joint
Integration Simulations (JIS) for missions that require PDI and/or
PPF data.

GSFC COORDINATION: GSFC 451/Ted Sobchak/301 286-7813
GSFC 451/HTSI/Anthony Williams/301 286-4286
GSFC 428.2/HTSI/Mike Booth/301 286-7413

SUPPLIER: JSC AGENCY: JSC/DV (JOHNSON SPACE CENTER)

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 07/31/90

[PRD] DATABASE RECORD: 22744 REQUIREMENT STATUS: APPROVED
DOCUMENT ID: FLT-II APPROVAL DATE: 10/08/90
INITIAL DATE: 07/31/90
ITEM NUMBER: GS20G DATE LAST CHANGED: 03/12/03
SECTION: 2000 TIME LAST CHANGED: 11:05:50

REQUESTER: GSFC 21 SOPS
SUBREQUESTER: 21SOPS OAS
TEST CODE: FREFLT LAEORY LANDNG PREFLT
STSALL
TRACKING NO. P007-2 P010-1

1. DESCRIPTION: RTS NETWORK SUPPORT REQUIREMENTS

GSFC is required to provide 5SOPS/ RTS Network Support Requirements
in accordance with the following schedule:

Modification Required to AFSCN	36 Months
Multiple Payload Support	18 Months
Single Payload Support	12 Months
Shuttle Orbiter-Only Support	3 Months

RTS Network Support Requirements to be addressed to:

50SW/XP RANDY WAGNER (randy.wagner@shriever.af.mil)
FAX NO: (719) 567-6551

CC: 21SOPS/DOO FAX NO: (408) 752-3175

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[PRD] DATABASE RECORD: 22744
ITEM NUMBER: GS20G

22SOPS/DOO/Brian Bayless (brian.bayless@shriever.af.mil)
FAX NO: (719) 567-3264

SUPPLIER: GSFC AGENCY: GSFC/451 (GODDARD SPACE FLIGHT CENTER)

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 10/08/90

[PRD] DATABASE RECORD: 521690 REQUIREMENT STATUS: APPROVED R
DOCUMENT ID: FLT-II APPROVAL DATE: 03/18/04
INITIAL DATE: 11/16/92
ITEM NUMBER: G21EKT DATE LAST CHANGED: 03/18/04
SECTION: 2000 TIME LAST CHANGED: 10:44:28

REQUESTER: GSFC
TEST CODE: EORBIT

1. DESCRIPTION: GSFC NETWORK SCHEDULING

A. SN Resources

Schedule requests for use of any element of the SN shall be sent to the WSC Scheduling as soon as the need is known, but no later than 1600Z Friday for the schedule week beginning ten days hence. Mission support for SSP by the SN shall be requested in the form of Schedule Add Requests (SAR's) transmitted via high speed data messages from JSC to the DSMC. Changes, in the form of adds and deletes, will be utilized to accommodate any differences between nominal and actual lift off time and trajectory. Other centers having requirements involving SN support of the SSP must coordinate these requirements with JSC.

REFERENCE: FLT-I, DBR # 341798, SECTION 2000, ITEM G15EHKT

SUPPLIER: ER AGENCY: 45 RANS/DOS (E - 45TH SPACE WING)

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 03/18/04

SUPPLIER: KSC AGENCY: KSC/TM-LLP-3 (K - KENNEDY SPACE CENTER)

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[PRD] DATABASE RECORD: 521690
ITEM NUMBER: G21EKT

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 03/18/04

SUPPLIER: JSC AGENCY: JSC/DV (JOHNSON SPACE CENTER)

SUPPLIER COMMITMENT: WILCO RESPONSE DATE: 03/18/04

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SECTION 2700 - COMMUNICATION

PUBLICATION DATE: 08/10/92 REVISION: 0000 RUN DATE: 08/05/04

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 [PRD] DATABASE RECORD: 522673 REQUIREMENT STATUS: APPROVED R
 DOCUMENT ID: FLT-II APPROVAL DATE: 03/17/93
 INITIAL DATE: 03/17/93
 ITEM NUMBER: G3 DATE LAST CHANGED: 02/14/03
 SECTION: 2700 TIME LAST CHANGED: 14:22:00

REQUESTER: GSFC
 TEST CODE: ALPHSE INFO STSALL

1. DESCRIPTION: GSFC NISN OVERVIEW

The primary responsibility of NASA Integrated Services Network (NISN) is to interconnect overseas and domestic tracking and telemetry stations and sites, launch areas, mission and project/payload operations control centers, science data capture facilities, and network control centers in the transporting of spacecraft telemetry data, air-to-ground voice and video for command, control, tracking, orbit determination, and data acquisition. In order to meet these responsibilities the following circuits provisioning lead time have been established to assist in the planning process for NISN services. These are "Guideline" statements only, as all requirement will not have the same lead times.

Lead Time (months)	Type Service
3	Services via existing resources but requiring coordination between other NASA Centers, facilities, and users.
4	Services commonly provided by commercial carriers and that do not require special engineering; e.g., standard voice and data rates up to 1.544 MBS (T-1).
8	Services provided by commercial carrier and that require special engineering and/or carrier/NISN special equipment e.g., non-standard modems, customer non-standard interfaces and unique mux/demux arrangements.
12	Standard international services

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[PRD] DATABASE RECORD: 522673
ITEM NUMBER: G3

18-24

Services requiring special engineering
and/or construction of new facilities;
e.g., new Earth stations or facilities
into remote areas, including data rates
in excess of 1.544 MBS (T-1).

THIS REPORT CONTAINS 7 PAGES

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APV= APP P1030=N